

Title (en)

Acidic liquid detergent compositions for bathrooms.

Title (de)

Säures flüssiges Reinigungsmittel für Badezimmer.

Title (fr)

Compositions détergentes acides liquides pour salles de bains.

Publication

**EP 0638637 A3 19970730 (EN)**

Application

**EP 94201711 A 19940615**

Priority

US 9653393 A 19930722

Abstract (en)

[origin: EP0638637A2] Detergent compositions comprising a surfactant system that is either (1) a mixture of zwitterionic detergent surfactant and/or amphoteric (non-zwitterionic) detergent surfactant with nonionic detergent surfactant; or (2) short chain nonionic detergent surfactant; a suds reducing amount of a suds controlling alkoxylated material of the formula:  $C_n(PO)_x(EO)_y(PO)_z$  in which  $C_n$  is a hydrocarbon group containing  $n$  carbon atoms,  $n$  is a number from about 6 to about 12,  $x$  is a number from about 1 to about 6,  $y$  is a number from about 4 to about 15, and  $z$  is a number from about 4 to about 25; optional, but preferred, hydrophobic cleaning solvent; and polycarboxylate, especially dicarboxylate, detergent builder, provide superior cleaning of all of the soils commonly found in the bathroom while maintaining a desirable low suds profile and good rinsing properties. The compositions have a pH of from about 1 to about 5.5, preferably from about 2 to about 4 when the dicarboxylate builder is used. The compositions are in the form of aqueous liquids.

IPC 1-7

**C11D 1/94**; **C11D 3/20**; **C11D 3/33**; **C11D 3/43**

IPC 8 full level

**C11D 1/825** (2006.01); **C11D 1/94** (2006.01); **C11D 3/20** (2006.01); **C11D 3/33** (2006.01); **C11D 1/72** (2006.01); **C11D 1/722** (2006.01); **C11D 1/88** (2006.01); **C11D 1/90** (2006.01)

CPC (source: EP US)

**C11D 1/825** (2013.01 - EP US); **C11D 1/94** (2013.01 - EP US); **C11D 3/2068** (2013.01 - EP US); **C11D 3/2082** (2013.01 - EP US); **C11D 3/33** (2013.01 - EP US); **C11D 1/72** (2013.01 - EP US); **C11D 1/722** (2013.01 - EP US); **C11D 1/88** (2013.01 - EP US); **C11D 1/90** (2013.01 - EP US)

Citation (search report)

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- [PA] US 5273677 A 19931228 - ARIF SHOAIB [US]
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DOCDB simple family (application)

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